



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Dworshak Fisheries Complex

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MEMORANDUM

To: Fisheries Supervisor, Columbia Basin Ecoregion
Region 1, Portland, OR

From: Complex Manager
Dworshak Fisheries Complex

Subject: **Monthly Activity Report – July, 2009**

Fish Management Culture

Dworshak

SPRING CHINOOK SALMON (SCS)

Brood Year (BY) 2008

At the end of the month there were approximately 1,153,715 BY08 SCS on station. These fish averaged 70 fish per pound (fpp) and 92 mm (3.6 inches) total length. Mortality for the month averaged 0.1 percent and raceway (RW) water temperature averaged 44.8°F.

COHO SALMON (COS)

Brood Year 2008

At the end of the month there were 358,830 COS averaging 38 fpp and 107 mm (4.2 inches) total length on station. Coho are in Burrows ponds (BPs) 51-53-55-57-59. Mortality for the month was 0.5 percent and water temperature averaged 44.8°F for the month.

FALL CHINOOK SALMON

Brood Year 2008

As stated in the April Monthly Activity Report, the Idaho Fishery Resources Office (IFRO) is participating in two studies on fall Chinook salmon (FCS); 1) an evaluation of migration behavior of Clearwater River fall Chinook salmon sub-yearlings and 2) an evaluation of the effect of transportation and summer spill in the Columbia River hydro system on smolt-to-adult return rates of Snake and Clearwater River Fall Chinook Salmon. From May 18 until July 17, 2009, a total of 327,780 FCS were tagged and released; 237,741 at Couse Creek on the Snake River and 90,039 at Kayler's Landing on the Clearwater River. All FCS were off station at Dworshak by the end of the day on July 17.

SUMMER STEELHEAD (SST)

Brood Year 2009

By the end of the month all BY09 SST were moved out of the nursery to outside Burrows ponds (BP's). This was done about one month earlier than normal due to the construction project on the nursery building roof (roof replacement). There were a total of 2.56 million SST moved out of the nursery beginning in May and ending on July 28. These fish averaged 88 fpp at the time they were moved outside and the survival was 91.6 percent in the nursery. All fish were moved using a new fish-pump from PR-Aqua. The fish-pump eliminates the need for netting the fish and allows the SST to remain in the water during the entire operation.

System I had 816,917 BY09 SST averaging 55 fpp and 95 mm (3.7 inches) total length by the end of the month. Mortality was 0.2 percent and water temperature averaged 44.8°F for the month.

System II had 797,883 BY09 SST averaging 102 fpp and 77 mm (3.0 inches) total length by the end of the month. Mortality was 0.1 percent and water temperature averaged 43.4°F for the month.

System III had 575,323 BY09 SST averaging 36 fpp and 109 mm (4.3 inches) total length by the end of the month. A ten-day medicated feed treatment with Aquaflor was administered to SST in BPs 70-72-74-76-78-79 and 81 for Cold-water disease. *Infectious Hematopoietic Necrosis Virus* (IHNV) has also been diagnosed in SST in System I. Mortality is chronic in SST takes 1, 2, 3 at a rate of 34.5 percent for the month. Water temperature averaged 44.8°F for the month.

RAINBOW TROUT (RBT)

Brood Year 2009

At the end of the month there were 13,731 BY09 RBT in BP61 averaging 23 fpp and 121 mm (4.8 inches) total length. Mortality was 0.4 percent and water temperature in the tanks averaged 44.8°F during the month.

These fish will be utilized for the Kids Fishing Day in 2010.

SUMMARY

Table 2 Total Production—Fish on Station (07/31/09).

SP	BY	Location	Number	Wt (lbs)	FPP	L in	L mm
SCS	08	A-Bank RWs	1,153,715	16,404	70	3.6	92
COS	08	BPs	358,830	9,420	38.1	4.2	107
SST	09	System I	816,917	14,828	55.1	3.7	95
SST	09	System II	797,883	7,803	102.3	3.0	77
SST	09	System III	575,323	16,005	35.9	4.3	109
RBT	09	BP 61	13,731	594	23.1	4.8	121
Total			3,716,399	65,054			

Kooskia

Kooskia Trap Operations BY09

The trap was closed July 22, concluding BY 09 Adult SCS collection. Results are summarized below.

Kooskia SCS Adult Trapping Summary BY 2009.										Total: 591		
Date	Trucked to DW			Natural passed			Trap Morts			Surplus To NPT		
	ADULT	JACK	T	ADULT	JACK	T	ADULT	JACK	T	ADULT	JACK	T
6/1/2009	12	0	12			0			0			0
6/15/2009	60	39	99	1		1			0			0
6/22/2009	29	24	53			0			0			0
6/29/2009	57	49	106	1	1	2			0			0
7/2/2009	59	0	59			0			0		15	15
7/6/2009	87	16	103			0			0			0
7/10/2009	49	9	58	5		5			0			0
7/15/2009	56	0	56	2		2			0		1	1
7/17/2009	8	0	8			0			0		2	2
7/23/2009	2	0	2			0			0			0
7/29/2009	5	1	6			0	1		1			0
Total:	424	138	562	9	1	10	1	0	1	0	18	18

Kooskia Brood Year 2008

Kooskia Stock BY 2008 SCS number 634,804 averaging 77.2 fpp at 3.51 inches long. Growth for the month was .40 inches. Kooskia stock SCS remain in the BP's on reuse with chilled well water makeup. The reuse water temperature averaged 47.2°F this month.

A formalin treatment (12 hrs @ 50ppm) was administered to the entire system July 7. A Idaho Fish Health Center (IFHC) health exam was conducted July 16th to monitor *Ichthyophthirius multifiliis* (ICH). No ICH was found and the fish appear to be in good overall health. Formalin treatments were discontinued. Fish marking and tagging began July 20 and finished July 28. All fish were AD clipped and 110,069 fish were coded-wire-tagged (CWT). Current fish inventory numbers were adjusted to reflect the tagging trailer inventory.

Rainbow Trout Brood Year 2008

The left over Rainbow Trout from Open house and Kids' Fishing Day were out planted using the Dworshak National Fish Hatchery (DNFH) truck as per the following table:

Date	Water	Number	Weight
08-Aug-08	Fenn Pond	1424	800
08-Aug-08	Robinsons Pond	712	400
		2,136	1,200

All Rainbow Trout averaged 1.8 fish per pound and 12.3 inches in length.

Maintenance

Dworshak

- Fabrication projects: Door stop for shop door, install packed columns and water pipes in Coho ponds; a gated, sliding recto-round to be used as a controllable funnel for fish pumping operations when moving fish from ponds/tanks; welded two unistrut legs to base pad for domestic water pipe support in Spawning Room basement; installed otter security fencing around fish ponds;
- Ran jack hammer, grinded concrete and fit new cones in mix cell #2.
- Repaired vehicle damage to gate in visitor parking lot and attached backer to the gate to allow important news items to be posted for public. Also enlarged the lock pin hole.
- Hauled Chinook to DNFH from KNFH.
- Loaded man lift for troubleshooting and repair by Western States in Lewiston.
- Removed Bio Mart trailer from stands and prepare for pick-up.
- Removed freezer from nursery and shelving units.
- Repaired broken grip strut for raceway joint.
- Built boxes for FRO in Mech I.
- Maintenance performed daily by cleaning moss trap, check main pumps, ran traveling water screens in Main Pump House, greased screens, grounds and building maintenance.
- Repairs performed on shop truck and Tiger truck.
- Plumbing repaired in Visitor parking lot restrooms.

Kooskia

- Marv Henry held the Pre Bid Meeting for the new hatchery living quarters project on July 23.

Meetings/Training/Travel

Dworshak

7/15-16

Larry Peltz, Complex Manager, traveled to Walla Walla, WA for a meeting with the U.S. Army Corps of Engineers (USACE).

7/22

Larry Peltz conducted an all staff meeting of complex staff to update everyone on construction issues around the hatchery grounds.

Kooskia

7/21

Adam Izbicki and Kenny Simpson attended Haz Com and Bloodborne Pathogen Safety training at DNFH.

Miscellaneous

7/16

A going-away party for the Clearwater River Youth Program was held in the Main Bldg. Conference Room with cake and ice cream being served. Staff from Dworshak and Clearwater Fish Hatcheries were present. The staff presented with certificates of

appreciation were: Sadie Gregg, Janae Gunn, and Erin Dozlier from Dworshak NFH and Megan Phillips and Jesse Zick from Clearwater Fish Hatchery.

7/20

July birthdays were celebrated in the Main Bldg. Conference Room with the Production Dpt. hosting a banana split extravaganza.

Personnel Actions –

Safety/Wellness –

7/22

All staff safety meeting held in the Conference Room of the Main Bldg. Staff viewed a couple of videos on hazardous materials.

Information/Education (I/E)

Dworshak

Tours - 1

People – 17

Register –92 from 7 states (top 3: WA-15, OR-14, UT-7)

On-site:

- Specialist Wandag participated in monthly IdEEA board conference call.

Off-site:

- Conducted 2 activities for Clearwater County's 6th Grade Forestry Tour, for 48 students.
- Facilitated sport fishing day as part of My Woods partnership program, for 43 children.

Kooskia

No visitors signed the guest book. No guided tours, but many visitors stopping to check the trap, see the big fish, and take a look around the hatchery grounds.

Website contacts: (data not available)

Off-site:

- Facilitated aquatic habitats activity for 4 children as part of US Forest Service's Fire Camp program in Kamiah.



Larry Peltz

Complex Manager

cc: Kooskia NFH
Hagerman NFH
CFRU – Moscow
Dworshak Production (2)
LSRCP – Boise